

**To:** Garber, Kristina[Garber.Kristina@epa.gov]; Wagman, Michael[Wagman.Michael@epa.gov]; Sappington, Keith[Sappington.Keith@epa.gov]  
**From:** Hartless, Christine  
**Sent:** Thur 5/5/2016 3:36:58 PM  
**Subject:** FW: Feedback to Clothianidin colony feeding study question- Supers addition



Fyi- regarding digital images of bees.....

**From:** Hartless, Christine  
**Sent:** Thursday, May 05, 2016 11:35 AM  
**To:** Wagman, Michael <Wagman.Michael@epa.gov>  
**Subject:** RE: Feedback to Clothianidin colony feeding study question- Supers addition

## Ex. 5 - Deliberative Process

**From:** Wagman, Michael  
**Sent:** Thursday, May 05, 2016 11:34 AM  
**To:** Hartless, Christine <Hartless.Christine@epa.gov>  
**Subject:** RE: Feedback to Clothianidin colony feeding study question- Supers addition

## Ex. 5 - Deliberative Process

**From:** Hartless, Christine  
**Sent:** Thursday, May 05, 2016 11:31 AM  
**To:** Wagman, Michael <Wagman.Michael@epa.gov>  
**Subject:** RE: Feedback to Clothianidin colony feeding study question- Supers addition

## Ex. 5 - Deliberative Process

**From:** Wagman, Michael  
**Sent:** Thursday, May 05, 2016 11:27 AM  
**To:** Hartless, Christine <[Hartless.Christine@epa.gov](mailto:Hartless.Christine@epa.gov)>  
**Subject:** RE: Feedback to Clothianidin colony feeding study question- Supers addition

I don't think so (I think they only did this for calibration purposes at the beginning of the study). I can check.

**From:** Hartless, Christine  
**Sent:** Thursday, May 05, 2016 11:01 AM  
**To:** Wagman, Michael <[Wagman.Michael@epa.gov](mailto:Wagman.Michael@epa.gov)>  
**Subject:** RE: Feedback to Clothianidin colony feeding study question- Supers addition

As a complete aside, did this registrant do digital images of the frames to get adult bee numbers? If so, do you have that data electronically?

**From:** Wagman, Michael  
**Sent:** Thursday, May 05, 2016 10:55 AM  
**To:** Jones, Ricardo <[Jones.Ricardo@epa.gov](mailto:Jones.Ricardo@epa.gov)>  
**Cc:** Hartless, Christine <[Hartless.Christine@epa.gov](mailto:Hartless.Christine@epa.gov)>; Blankinship, Amy <[Blankinship.Amy@epa.gov](mailto:Blankinship.Amy@epa.gov)>  
**Subject:** RE: Feedback to Clothianidin colony feeding study question- Supers addition

Hey Ricardo,

Could you please forward on to the registrant this question (should hopefully be our last)? Based on the pattern from the registrant's excel file coupled with the date information they provided, we believe there were 3 errors in their Supers spreadsheet. Can you send this modified spreadsheet to them and confirm that the highlighted cells are errors? Thanks!

G8 (control): 2 boxes at the start of exposure. @CCA4 (7/15-7/18), super added immediately after on 7/18. @CCA 6 (9/8-9/12), super removed immediately after on 9/9 (I would presume that this was immediately after the CCA for that group). Looking at the spreadsheet though, I think this is an error, and, like B3, this should indicate 3 boxes at CCA6 and 2 at CCA7 (instead it shows 2 already at CCA6)

L7 (T4): 2 boxes at the start of exposure. Super removed on 9/10 (in the middle of CCA6). Again, I think this is an error in the spreadsheet and it should read 2 supers at CCA 6, going down to 1 at CCA7.

E5 (T5): 2 boxes at start of exposure. Super removed on 8/6 (during/after CCA 5). Again, I think excel spreadsheet should read as 2 boxes during CCA 5 (currently shows 1) and then 1 at CCA6.

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